

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

1-19 (Canceled).

20. (Previously presented) The thin film of claim 37, wherein said thin film comprises said nanoparticles in a range of about 50% to about 100%.

21-23. (Canceled).

24. (Previously Presented) The thin film of claim 20, wherein said nanoparticles are composed of a perovskite-type oxide having the formula ABO_3 , wherein A is at least one additional cation having a positive formal charge in the range between about 1 to about 3; and wherein B is at least one acidic oxide having a metal selected from the group consisting of: Group IVB, VB, VIB, VIIB, IIIA, and IB.

25-34 (Canceled).

35. (Currently amended) The thin film of ~~claim 20~~ claim 37, wherein a percentage of said thin film comprising said nanoparticles is in a range of about 25% to about 75%.

36. (Canceled).

37. (Previously Presented) A dielectric thin film with relative dielectric constant greater than 10 consisting essentially of:

a solution or dispersion of surfactant-coated nanoparticles in an organic solvent,
wherein said organic solvent is evaporated after heating and depositing said nanoparticles on a substrate to form said dielectric thin film,

wherein said nanoparticles have a diameter size in a range between 2 nm and about 20 nm, and a crystalline structure having a relatively narrow grain-sized distribution,

wherein said narrow grain-sized distribution has a standard deviation selected from the group consisting of: less than 15%, less than 10% and less than 5%.

38-49 (Canceled).

50. (Previously Presented) The thin film of claim 20, wherein a percentage of said thin film comprising said nanoparticles is in a range of about 50% to about 60%.

51. (Previously Presented) The thin film of claim 20, wherein a percentage of said thin film comprising said nanoparticles is in a range of about 90% to about 100%.

52. (Canceled).

53. (Previously Presented) The thin film of claim 37, wherein said surfactant is removed after said heating.

54. (Previously Presented) The thin film of claim 37, wherein said surfactant is an organic surfactant selected from compounds having an end functional group consisting of -COO-, -CON-, -CN, -NC, -S-, -O-, -N-, or -P-; and mixtures thereof.

55. (Previously Presented) The thin film of claim 37, wherein said solvent is selected from the group consisting of water, an alcohol, an alkane, an arene, a chlorinated solvent, and a compound having the end functional group unit comprising -COO-, -CON-, -CN, -NC, -S-, -O-, -N-, or -P-; and mixtures thereof.